

Software - PC WORX UA SERVER-PLC 80 - 2402686

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OPC UA server for communication with a maximum of 200 controllers

Product Description


The PC WORX UA SERVER provides the variables of controllers that have been programmed with PC Worx to all OPC UA clients. All variables are mapped in the server according to the PLCopen profile. The variable names are automatically synchronized from the current project. The server supports all security profiles via the binary profile, thereby enabling all access to be regulated. A user-friendly configurator guides you through the configuration of controllers and security settings. Diagnostic information regarding active communication can also be displayed from another computer using the configurator.

Your advantages

- Standardized access according to the PLCopen information model for IEC 61131-3
- Detailed diagnostic features
- Direct access to all data types, arrays, and complex structures supported by PC Worx.
- Transparent access to redundant controllers
- Safety configuration with support from tools



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 119434
GTIN	4055626119434

Technical data

License information

Intended use for the software	Runtime license
Type of license	Single-user license
Information regarding the type of license	License-free configurator. Server without license limited to one hour's runtime in demo mode
Information regarding the version	Valid for Version 1.1 (for features of older versions, please refer to the version information in the download area)
	The versions of devices, other software packages or the operating system must be kept up to date.

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Technical data

Functions

Basic functions	Data exchange according to DA profile spec 1.02 (2012)
	Security Policies: None, Basic128RSA15, Basic256
	Message Security: Mode none, sign, sign&encrypt
	Communication profile according to the PC-based server via binary protocol using TCP/IP
	Easy access to arrays and structures
	Variable mapping according to PLCopen profile spec 1.00
	Data exchange with up to 200 controllers
	Automatic switchover for redundant controllers (e.g., RFC 460 R) or applicative redundancy
Supported controllers	ILC 1x1, AXC 1xxx, AXC 3xxx, RFC 460R, RFC 480S, PC WORX RT BASIC/SRT
Number of supported controllers	max. 200
Number of OPC items	max. 100000
Number of OPC items/controller	no limit, depends on the controller utilization
	typ. 500 (for AXC 1xxx and ILC 1x1)
	typ. 10000 (for AXC 3xxx, RFC 460R, and PC WORX BASIC/SRT)
Supported data types (standard)	BOOL, BYTE, INT, DINT, UINT, SINT, USINT, UDINT, WORD, DWORD, REAL, LREAL, STRING, TIME according to IEC 61709
Supported data types (user-defined)	ARRAY OF, STRUCTS, ARRAY OF STRUCT, STRUCT in STRUCT according to IEC 61131

Hardware requirements

RAM	min. 8 GByte
CPU	min. Intel® Core™ i7
Interfaces	min. Gigabit Ethernet

Software requirements

Software	PC Worx Version 6 or later
Operating system	Windows® 7 (32-Bit/64-Bit)
	Windows® 8.1 (32-Bit/64-Bit)
	Windows® 10 (32-Bit/64-Bit)
	Windows® Server 2012
	Windows® Server 2016
Languages supported	English
Software platform	.NET Framework 4.5 required for the configurator
	.NET Framework 3.5 required for server licensing

General information

Information regarding the system requirements	Note the individual properties and requirements of the devices. Should you have any questions, please contact the Support team directly or the relevant contact person in Sales.
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Technical data

General information

Information regarding the update rate	Guaranteed update rates greatly depend on the selected controller, the control capacity, and the selected PC.
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Classifications

eCl@ss

eCl@ss 10.0.1	27242504
eCl@ss 5.0	27242800
eCl@ss 5.1	27242800
eCl@ss 6.0	27242500
eCl@ss 7.0	27242504
eCl@ss 8.0	27242504
eCl@ss 9.0	27242504

ETIM

ETIM 5.0	EC002537
ETIM 6.0	EC002537
ETIM 7.0	EC002537

UNSPSC

UNSPSC 13.2	43232403
UNSPSC 18.0	43232403
UNSPSC 19.0	43232403
UNSPSC 20.0	43232403
UNSPSC 21.0	43232403

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